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Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

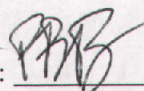
MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director

Inspection Report

Minerals Regulatory Program

July 25, 2012

Reviewed: 

Mine Name: ML 27618	Permit Number: S/025/0025
Operator Name: Althea Crapo & Russ Henry	Inspection Date: June 6, 2012
Inspector(s): Peter Brinton	Time: 1:45pm – 2:15pm; 3:00pm – 3:30pm
Other Participants: Russ Henry	Mine Status: Active

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Reclamation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Revegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Permit fee: Delinquent **Bond Renewal Date:** 07/03/2009 **Bond Amount:** \$11,930

Purpose of Inspection: Evaluate Trail Canyon slope stability and current mining in the east area

Inspection Summary:

West (Trail Canyon) Area -

The slope in Trail Canyon area of the permit remained unstable as evidenced by tension cracks above the slope. The operator had done some grading work at the crest of the slope. Additional slumping had occurred since the last inspection, though on a smaller scale, and future slumping was expected, in part because the grading had added load to the lower slope. Photos were taken to document site conditions.

Other nearby mines were observed to have steeply-sloped dumps with slumping, and on which beneficial vegetation (most commonly rabbitbrush) was growing well.

East (ML 51615) Area-

Mining had been actively occurring on the east area since the last inspection, and dumps and pits had expanded. Ponded water had been present behind dumps blocking a dry drainage at the north end of the disturbance in 2011, but there was no ponding behind dumps in the drainage in 2012. Water was also present in the pits in 2012, though much less than the amount observed in 2011. Photos were taken to document site conditions.



Inspection Date: June 6, 2012

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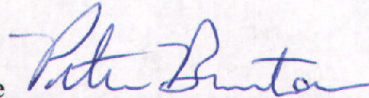
S/025/0025

Conclusions and Recommendations:

The slope in Trail Canyon remained unstable. Nearby revegetated slopes of similar steepness with successful revegetation appeared to be more stabilized. It is expected that growth on the unstable slope from seeding by the operator and/or natural processes will likewise be successful with time, despite the observed instability.

It was estimated that additional reclamation bond was needed for the ML 51615 area, since the disturbance was likely over 2 acres (based on 2011 aerial photos).

Inspector's Signature



PNB: pbb

cc: Russ Henry & Althea Crapo, The Bug House

Will Stokes, SITLA (wstokes@utah.gov)

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TRAIL CANYON PHOTOS

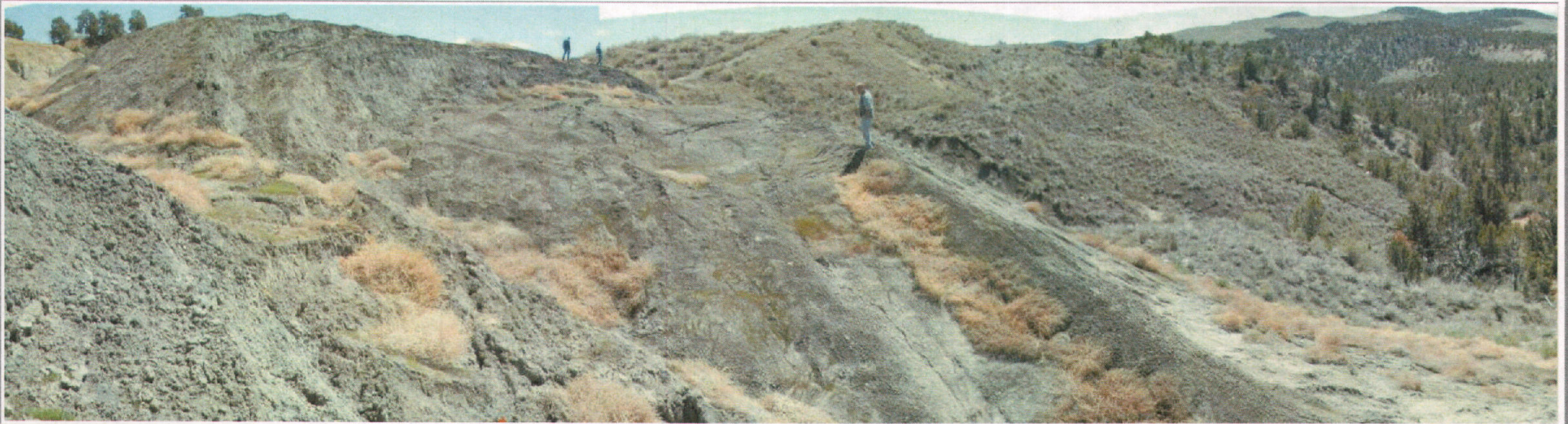


Trail Canyon: Stitched photo showing the unstable, unvegetated slope, looking north. A small amount of the regrading work is where Russ Henry stands.



Trail Canyon: Stitched photo of slopes with beneficial vegetation located just south of the unstable, bare slope. Some minor erosion visible.

TRAIL CANYON PHOTOS



Trail Canyon: **April 2011** stitched photo showing the slumping slope following a very wet season.



Trail Canyon: **June 2012** stitched photo showing the partially regraded slope after a dry winter and spring season. Some post-work cracking at the crest is visible at the center.

EAST SIDE (ML 51615) PHOTOS



East Side (ML51615): Stitched photo looking generally south and off highway into pit. See Russ standing in the pit for scale. Overburden storage (gray) has filled the drainage to the right.



East Side (ML51615): Backfilled drainage with gray overburden on the left.



East side: Looking north toward pit from access road at recontoured, growing backfill (foreground).